Technical Data Sheet

InVivoMAb anti-mouse IL-25

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0394**
Clone:	**2C3**
Isotype:	Mouse IgG1, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Recombinant mouse IL-25
Reported Applications:	*in vivo* IL-25 neutralization
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	
Molecular Weight:	150 kDa

Description

The 2C3 monoclonal antibody reacts with mouse IL-25, also known as IL-17E and is a member of the IL-17 family of cytokines. IL-25 is a potent activator of type-2 immune responses and induces the expression of IL-4, IL-5, and IL-13. IL-25 is expressed in several tissues, including lung, stomach, small intestine, and colon and in cell types such as macrophages and epithelial cells in the gut, Th2 cells, mast cells, and NKT cells. IL-25 mediates its biological effects through the receptor IL-17BR, which forms a receptor complex with IL-17RA, both being essential for IL-25 effector functions. IL-25-induced inflammation is typically characterized by elevated levels of type-2 cytokines and serum IgE and IgG1. IL-25 plays a role in Th2 type inflammatory diseases, such as asthma, ulcerative colitis, and atopic dermatitis. The 2C3 antibody has been shown to neutralize IL-25 in vivo and improve pathology in mouse models of colitis and asthma.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration

experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0394?bxcs=9k1b3a#tab_references or scan the QR code below.

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